Index of Claims

| Application No. | Applicant(s)        |
|-----------------|---------------------|
| 09/783,146      | VANHEYNINGEN ET AL. |
| Examiner        | Art Unit            |

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| Cla          | aim      | Date                |              |   |          |           |                 |          | ]:       | Cla      | Claim Date     |          |  |   |                     |                              | 4 6 P    | Cl   | aim  | Date       |               |          |              |          |          |          |           |
|--------------|----------|---------------------|--------------|---|----------|-----------|-----------------|----------|----------|----------|----------------|----------|--|---|---------------------|------------------------------|----------|------|--|------------|---------------|----------|--------------|----------|----------|----------|-----------|
|              | <u>=</u> | 4                   |              |   |          |           |                 |          |          |          | u              | <u>7</u> |  | -   |                     |                              |          | · 55 | _  | =          |               |          |              |          | 1        |          | ١         |
| Final        | Original | 12/8/04             |              |   |          |           |                 |          |          |          | Final          | Original |  |   |                     |                              |          | 3    | Final  | Original   |               |          |              |          |          | - 1      |           |
| iE.          | Ö        | 2                   |              |   |          |           |                 |          |          | 4-       | į iE           | 5        |  |   |                     |                              |          | 1    | ΙŒ   | 6          |               |          |              |          |          |          | ı         |
| <u> </u>     |          | _                   | _            |   | L        |           |                 | _        | $\perp$  | 4        | <u> </u>       | l        | $\longmapsto$                                    | _   | $\sqcup$            | $\perp$                      |          | 100  |  |            |               | -        | ↓_           | <u> </u> | _        | _        | 4         |
|              | 1        | 1                   | -            |   |          |           |                 | _        | $\dashv$ | 4        |                | 51       | <del>  </del>                                    |   |                     |                              | _        | - "  |  | 101        | $\rightarrow$ | $\perp$  | -            |          | _        | +        | 4         |
| <u> </u>     | 2        | Н                   | -            |   |          | Щ         | Н               |          | -        | 4        |                | 52       | $\vdash \vdash \vdash$                           | -   | H                   |                              |          | ijά. |  | 102        |               |          | ├            |          | -        | -        | $\dashv$  |
| <u></u>      | 3        | $oldsymbol{\sqcup}$ | ┝            |   | _        | _         | -               | $\dashv$ | _        | 4        | -              | 53       | ++   | 4   | ╁┼                  |                              |          | -    |  | 103        | -++           |          | ├            | $\vdash$ | _        | -+       | $\dashv$  |
| <u> </u>     | 4<br>5   | H                   | ┝            |   | _        |           |                 | -        | +        | -        |                | 54<br>55 | $\vdash$   | -   | ╁                   |                              |          | -    |  | 104<br>105 |               |          | -            | -        |          | +        | $\dashv$  |
| -            | 6        | H                   | ┼            |   | -        | -         | $\vdash$        | $\dashv$ | +        | -        |                | 56       | $\vdash$   |   | <del>  -  -</del>   |                              | -        | - :  |  | 105        |               |          | ╁            | ├        | $\dashv$ | +        | $\dashv$  |
|              | 7        | ╫                   | ┼─           | _ |          |           | $\vdash$        | $\dashv$ | +        | ┨        | -              | 57       | +++  |   | ╁┷┼                 |                              |          | -    | <u> </u>   | 107        |               |          | -            |          | -        | +        | -         |
| <u> </u>     | 8        | H                   | ┢            | _ | Н        | $\vdash$  | $\dashv$        | -        | -        | ١.       | -              | 58       | ╁═┼═┼  | +   | <del>   </del>      | $\dashv$                     | $\dashv$ |      |  | 108        | +             | +        | <del> </del> |          | -        | $\dashv$ | $\dashv$  |
|              | 9        | H                   | -            |   | Н        |           |                 | -        | +        | -        | -              | 59       | $\Box$   | $\dashv$  | ╁─┼                 | $\dashv$                     |          | 1    |  | 109        | $\rightarrow$ |          | ┢            | H        | _        | _        | ᅱ         |
|              | 10       | H                   | H            |   |          |           |                 | $\dashv$ | +        | 1        |                | 60       | +++  | +   | $\vdash$            | -                            | $\dashv$ | - 1  | <del> </del>                                     | 110        |               | +        |              | H        | 1        | $\dashv$ | ᅥ         |
| <b> </b>     | 11       | H                   | 1            | - |          | $\vdash$  | $\vdash$        | $\dashv$ | $\dashv$ | 1        |                | 61       | $\vdash$   | +   | $\vdash$            | +                            | $\dashv$ |      | <u> </u>   | 111        |               | $\top$   | T            | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$  |
|              | 12       | $\dagger \dagger$   | T            |   | П        | П         | $\vdash$        | _        | $\top$   | 7        |                | 62       |  |   | $\sqcap$            | 17                           |          | 1    |  | 112        | $\dashv$      | 十        |              |          | $\Box$   | 十        | ヿ         |
|              | 13       | Π                   |              |   | П        | П         | П               | $\neg$   | $\top$   | 1        |                | 63       | <del>         </del>                             |   |                     | $\top$                       |          | 100  |  | 113        |               |          | $I^-$        |          | $\Box$   | 十        | $\exists$ |
|              | 14       | Π                   |              |   |          |           |                 |          |          | -        |                | 64       |  |   |                     | $\neg \neg$                  |          | -    |  | 114        |               |          |              |          |          | 丁        | ヿ         |
|              | 15       |                     |              |   |          |           |                 |          |          | ].       |                | 65       |  |   |                     |                              |          | ], : |  | 115        |               |          |              |          |          |          |           |
|              | 16       | $\prod$             |              |   |          |           |                 |          |          |          |                | 66       |  |   |                     |                              |          |      |  | 116        |               |          |              |          |          |          |           |
|              | 17       | П                   |              |   |          |           |                 |          |          | 14       | ÷              | 67       |  |   |                     |                              |          | . 2  |  | 117        |               |          |              |          |          | $\perp$  |           |
|              | 18       | Ц                   | L            |   | Ш        | Ш         | Ш               | $\perp$  |          | 1        |                | 68       |  |   | Ш                   |                              |          | 1    |  | 118        |               |          |              |          |          | $\perp$  | _         |
|              | 19       | Ш                   | ļ            |   | Ш        |           |                 | $\dashv$ |          | 1        | ti .           | 69       |  |   | $\sqcup \downarrow$ | _ _                          |          |      |  | 119        |               |          | ļ.,          |          | $\perp$  | $\perp$  | <b>긔</b>  |
|              | 20       | Ц                   | L            |   |          | Ш         |                 | _        |          | -        | :              | 70       |  | $\bot$  | $\sqcup$            |                              |          | 175  |  | 120        |               |          | _            |          | Щ        | 4        | ᅬ         |
|              | 21       | Ц                   | <u> </u>     |   |          |           |                 | _        |          | 4        |                | 71       | $\sqcup \bot \bot$                               |   | $\vdash$            | _ _                          |          |      |  | 121        | ++            | _        |              |          | Ш        | 4        | ႕         |
|              | 22       | Н                   | ┡            | _ |          |           |                 | _        | _        |          | ·              | 72       | $\square$  | - -   | $\vdash$            | -                            | -        | -    |  | 122        | $\perp \perp$ | _        | _            |          | $\vdash$ | +        | 긕         |
|              | 23       | H                   |              |   | Ш        |           |                 | _        | -        | ١.       | , <del> </del> | 73       | $\longrightarrow$                                | -   | ╌                   |                              |          | - 1  |  | 123        | $\dashv$      | -        | $\vdash$     | $\vdash$ | $\vdash$ | -        | -         |
|              | 24<br>25 | Н                   | -            |   | Н        |           |                 | -        | $\dashv$ | 4        | -              | 74<br>75 | $\vdash \vdash \vdash$                           | -   | ┥                   |                              |          | - 1  |  | 124<br>125 | -             | -        | ┝            |          | $\vdash$ | -        | $\dashv$  |
| -            | 26       | ₩                   | -            |   | Н        |           | $\vdash$        | $\dashv$ | -        | $\dashv$ | -              | 76       | <del>├─┤</del> ─ <del>├</del>                    | +   | ╁┼                  |                              |          | 1    |  | 126        | +++           | +        | ┢            |          | H        | $\dashv$ | ႕         |
|              | 27       | Н                   | $\vdash$     |   | Н        | -         | Н               | $\dashv$ | +        | +        | -              | 77       | <del>                                     </del> | +   | $\vdash$            | +                            | +        | - 3  |  | 127        | <del></del>   | +-       | ╁            | $\vdash$ | $\dashv$ | $\dashv$ |           |
|              | 28       | H                   | -            | _ | Н        | Н         |                 | -        | -        | 7:       | +              | 78       | +++  | +   | $\vdash$            | +                            | _        | +    |  | 128        | $\dashv$      | +        | $\vdash$     | -        |          | $\dashv$ | $\dashv$  |
| <u> </u>     | 29       | H                   | $\vdash$     |   |          |           | $\vdash$        | -        | $\dashv$ | ١.       | $\vdash$       | 79       | <del>                                     </del> |   | +                   | 1                            | _        | ┨    |  | 129        |               |          |              |          | $\vdash$ | +        | ᅥ         |
|              | 30       | H                   | $\vdash$     |   |          |           |                 | $\neg$   | +        | 1        | 1              | 80       |  | $\top$  |                     | $\top$                       |          | 1    |  | 130        |               |          |              |          | -        | 十        | _         |
| <u> </u>     | 31       | H                   | <u> </u>     |   | П        | П         |                 | $\neg$   | $\neg$   | - :-     | $\vdash$       | 81       |  |   | H                   |                              |          | 1    |  | 131        |               |          |              |          | $\neg$   | 十        | ┪         |
|              | 32       | H                   | Т            |   |          |           |                 | $\neg$   | 1        | 1        |                | 82       |  |   | $\Box$              |                              |          | 1    |  | 132        |               | 1        |              |          |          | 十        | ヿ         |
|              | 33       | П                   |              |   |          |           |                 |          |          |          |                | 83       |  |   |                     |                              |          | ÷ 7  |  | 133        |               |          |              |          |          | 十        | ٦         |
|              | 34       | $\prod$             |              |   |          |           |                 |          |          | *        |                | 84       |  | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |                     |                              |          | į, a |  | 134        |               |          |              |          |          | $\Box$   | $\Box$    |
|              | 35       | $\prod$             |              |   |          |           |                 |          |          | ]        |                | 85       |  |   |                     |                              |          | 1    |  | 135        |               |          |              |          |          | $\perp$  |           |
|              | 36       | $\prod$             |              |   |          |           |                 |          |          |          | ĸ.             | 86       |  |   |                     |                              |          |      |  | 136        |               |          | L            |          |          | $\perp$  |           |
|              | 37       | Ц                   | <u> </u>     |   |          | Ш         |                 |          |          |          |                | 87       |  |   |                     | $\perp$                      |          |      |  | 137        |               |          | 1_           |          | $\Box$   | 4        |           |
|              | 38       | Ц                   | $\perp$      |   |          | $\Box$    |                 | _        | $\perp$  | 1        |                | 88       |  | 4_  | $\sqcup \bot$       | 44                           |          | 1    |  | 138        | $\bot$        |          | 1_           | L_       | $\sqcup$ | $\bot$   | _         |
|              | 39       | Ц                   | $oxed{oxed}$ |   | Ш        | Ш         | $\perp \rfloor$ | _        |          | 4        |                | 89       |  |   | $\perp$             | $\bot$                       | $\perp$  | 4    | ļ  | 139        | $\dashv$      |          | <del> </del> | $\vdash$ | $\sqcup$ | +        | 4         |
| <u> </u>     | 40       | 1                   | <u> </u>     |   | Ш        | Ш         | Щ               | _        |          | 4        | *              | 90       | $\sqcup \bot$                                    | -   | $\vdash \vdash$     |                              | $\dashv$ | -    | <u> </u>   | 140        | $\dashv$      | $\dashv$ | 1            | <u> </u> | $\sqcup$ | $\dashv$ | 4         |
| <u> </u>     | 41       | $oldsymbol{\sqcup}$ | <u> </u>     |   | Щ        | $\square$ |                 | $\dashv$ | +        | -        | <u> </u>       | 91       | $\vdash \vdash \vdash$                           | +   | -                   | $+\!\!\!+\!\!\!\!+\!\!\!\!+$ | $\dashv$ | ٠.   | <u> </u>   | 141        | $\dashv$      |          | 1-           |          | $\dashv$ | +        | 4         |
| <u> </u>     | 42       | $oldsymbol{arphi}$  | $\vdash$     |   | Ш        | Н         | $\vdash$        |          |          | 4        | -              | 92       | ++   | +   | $\vdash$            | $\dashv$                     |          | 4    | <u> </u>   | 142        | $\dashv$      | -        | <b>├</b>     | $\vdash$ | $\dashv$ | +        | 4         |
| <u> </u>     | 43<br>44 | $oldsymbol{ee}$     | $\vdash$     |   | $\vdash$ | $\vdash$  | $\vdash$        | $\dashv$ | +        | 4        |                | 93<br>94 | ┝┼┼  | -   | $\vdash$            | +                            |          | - 1  | <del> </del>                                     | 143<br>144 | $\dashv$ +    |          | +-           | $\vdash$ | $\dashv$ | +        | $\dashv$  |
| <del> </del> | 45       | H                   | -            | - | $\vdash$ | $\dashv$  | $\vdash$        | $\dashv$ | +        | $\dashv$ | $\vdash$       | 95       | <del>╎╌├╸┤</del>                                 | +   | $\vdash$            | +                            | +        | 1    | <del>                                     </del> | 145        | -+            | +        | ┼            | -        | $\dashv$ | +        | ᅱ         |
| $\vdash$     | 46       | y                   | $\leftarrow$ |   | $\vdash$ | $\vdash$  | $\dashv$        | $\dashv$ | +        | 1        | -              | 96       | $\vdash\vdash\vdash$                             | +   | ++                  | +                            | $\dashv$ | 1    | <u> </u>   | 146        | +++           | +        | $\vdash$     | $\vdash$ | $\dashv$ | +        | ᅱ         |
| $\vdash$     | 47       | Y                   | $\vdash$     | - | Н        | $\vdash$  |                 | -+       |          | ».       |                | 97       | <del>                                     </del> | +   | $\vdash$            | $\dashv\dashv$               | $\dashv$ | 100  |  | 147        | - -           | +-       | †            | H        | $\dashv$ | $\dashv$ | $\dashv$  |
| $\vdash$     | 48       | $\vdash$            | $\vdash$     |   | Н        |           |                 | -        |          | ╣.       | -              | 98       | <del>├─├</del> ─                                 |   | +                   | -                            | $\dashv$ |      |  | 148        |               |          | +-           | Н        | $\dashv$ | 十        | $\dashv$  |
|              | 49       | $\vdash$            | t            |   | Н        | $\Box$    |                 | 7        |          | 1        |                | 99       |  | $\top$  | $\vdash$            | ++                           | $\dashv$ | 1    |  | 149        |               |          | T            | П        | $\dashv$ | 十        | ヿ         |
|              | 50       | $\vdash$            |              |   | Н        | $\Box$    | $\neg$          | 1        | $\neg$   | 1        |                | 100      |  |   | $\sqcap$            | +                            | $\top$   | 1    |  | 150        | 11            | +        | 1            |          | $\dashv$ | $\top$   | ヿ         |
|              | <u> </u> | _                   |              |   |          |           |                 |          |          | _        |                |          |  |   |                     |                              |          | _    |  |            |               |          |              |          |          |          |           |